

CLAIMS

1. Fastening device for at least one disc shaped data carrier (2) with a central opening in a cassette, wherein the cassette comprises a middle part (2) on which a crown of tongues (3, 3') is provided, elastically insertable into the central opening of the at least one data carrier (2), wherein there is provided at least one connecting element (14, 14'), movably connecting at least two of the tongues (3, 3'), wherein the connecting element (14, 14') is produced in the production of the fastening device in a first position (14), and wherein after the production for increasing the restoring force of the tongues (3, 3') against the data carrier (2) the connecting element (14, 14') is moved into a second position (14').

2. Fastening device according to claim 1, wherein it is designed such that the data carrier (2) can be fastened and removed from the cassette if the connecting element (14') is in its second position.

3. Fastening device according to any of the preceding claims, wherein opposed tongues (3, 3') are connected with each other by means of the at least one connecting element (14, 14').

4. Fastening device according to any of the preceding claims, characterized in that the tongues (3, 3') comprise at least one axial arm (5) extending through the central opening of the at least one data carrier (2) and wherein the at least one connecting element (14, 14') is attached to these axial arms (5) connecting these axial arms (5) substantially on their ends pointing towards the direction of removal of the data carrier (2), preferably connecting these axial arms (5) indirectly by means of inwardly pointing radial arms (3) provided on the ends of the axial arms (5) pointing towards the direction of removal of the data carrier (2).

5. Fastening device according to claim 4, wherein in its first position (14) the connecting element at least partially extends above the ends of these axial arms (5) pointing towards the direction of removal of the data carrier (2) and/or of the radial arms (13) respectively, wherein by means of pressing it down in the direction of insertion of the data carrier (2), the connecting element is brought into its second position (14'), preferably in a snapping process, and wherein preferentially the connecting element (14') in its second position does not extend above the ends of these axial arms (5) pointing towards the direction of removal of the data carrier (2) and/or of the radial arms (13) respectively.

6. Fastening device according to one of the claims 4 or 5, wherein the connecting element (14, 14') comprises preferentially elastic strips (15), which on their one end are connected with the axial arms (5) or radial arms (13) of the tongues (3, 3'), respectively, and wherein the connecting element (14, 14') furthermore comprises a knob (16) which is substantially located on the axis of symmetry of the fastening device, to which knob (16) the strips (15) are connected with their second end.

7. Fastening device according to any of the preceding claims, wherein the tongues (3, 3') and the at least one connecting element (14, 14') are one-piece.

8. Fastening device according to any of the preceding claims, wherein it is made of a polymeric material with a modulus of elasticity E in the range of 1300 to 3200 MPa, preferentially of less than 2000 MPa, wherein the polymeric material is preferentially a thermoplastic material preferably in one-component design or two-component design.

9. Fastening device according to any of the preceding claims, wherein the crown comprises 6 or 8 or 10 tongues (3, 3'), wherein if need be tongues (3) with noses (6) for fastening the data carrier (2) alternate with tongues (3') without noses (6), and wherein either all tongues (3, 3') or only the tongues (3) with noses (6) are connected by means of the connecting element (14, 14'), wherein the connecting element (14, 14')

preferentially comprises a central uniform part (16), as well as elastic strips (15) branching off from the central, uniform part (16) by at least indirectly connecting this central, uniform part (16) with the tongues (3, 3').

5 10. Fastening device according to any of the preceding claims, wherein the middle part (2) comprises an inner, substantially disc shaped part (10), on the inner edge of which the tongues (3, 3') are attached spaced from each other leaving slots (4) between the tongues, and wherein preferentially the inner part (10) comprises means (11) allowing an increased elastic mobility of the crown of tongues (3, 3') with respect to the
10 cassette, wherein these means (11) are preferentially given in the form of a preferably circumferential region with reduced thickness (11), and/or in the form of a preferentially circumferential rippled region, and/or in the form of holes in the inner part (10).

11. Fastening device according to any of the preceding claims, characterised in that
15 the disc shaped data carrier (2) is a CD or a DVD.

12. Fastening device according to any of the preceding claims, wherein the tongues (3, 3') are designed such as to fasten two stacked data carriers (2), wherein preferentially alternatingly only every second tongue is provided with a nose (6) for axial fastening of
20 the data carrier (2), while on the other tongues a rib is provided for keeping a controlled distance between the data carriers (2).

13. Fastening device according to any of the preceding claims, wherein the at least one connecting element comprises strips (15) in the form of flexible, flat lamella with a
25 width in the range of 0.8 to 3 mm, preferentially in the range of 1 to 2 mm and with a thickness of 0.1 to 0.4 mm, preferentially with a thickness of 0.2 to 0.3 mm.

14. Method for the production of a fastening device according to any of the preceding claims, wherein in a first production step in a forming process the connecting

element (14, 14') is produced in its first position (14), and wherein subsequently, at the latest after insertion of the first data carrier (2), the connecting element (14, 14') is brought into its second position (14') for increasing the restoring force of the tongues (3, 3') against the data carrier (2).